

SOCIETY OF MOTION PICTURE
AND TELEVISION ENGINEERS
9 East 41st St., New York, N. Y. 10017



Theodore H. Nelson
73 Raymond Ave.
Poughkeepsie, N.Y. 12601
M-28876

Announcing

the

TECHNICAL
105th SMPTE
CONFERENCE



April 20-25, 1969

Fontainebleau Hotel
Miami Beach, Florida

105th SMPTE Technical Conference Program

SUNDAY, APRIL 20

REGISTRATION — 12 noon to 6 p.m.

BOAT CRUISE AND LUAU — 7:30 p.m.

MONDAY, APRIL 21

TELEVISION I — Morning

Time Video Coder; Automatic Video-Tape Splicer; the Design of a Machine for High-Speed Duplication of Video Records; Measurement of Nonlinear Distortions in Color Television Systems; The Performance and Capabilities of Recently Developed Plumbicon TV Camera Pickup Tubes; Remote Color Genlock; A New Approach to TV Automation Using Electronic Character-Generator Display and Automatic Logging; A New Solid-State High-Powered UHF Television Transmitter; Random-Access Storage-Retrieval Systems for Television Titling and Information Display; Incorporation of Field Experience in a New Generation Three-Tube Color Camera for Broadcast Operation.

GET-TOGETHER LUNCHEON — Noon

Guest Speaker.

TELEVISION II — Afternoon

An Automated TV News Studio; Application of K Rating to NTSC Television Systems; A Programed Television Tape-Editing System;

vision, Including Self-Study and Laboratory Communications—An Integrated System; Stereoscopic Television in Dental Education; A Film and Television System for Medical Students.

CINEMATOGRAPHY AND PROJECTION — Afternoon

A Theory for Stereoscopic Motion-Picture Viewing Without the Use of Eyeglasses or Other Restrictive Devices; New Portable Batteries for TV/Motion-Picture Applications; Dynalens Camera Motion Compensation; The Development and Applications of the Rolling Loop; Motion-Picture Presentation—Variables in Depth of Focus; Determining Projected Screen Light Color by Spectral Analysis; Integrated Light Systems for Projection; F/Number Versus Illumination for the Drive-In Theater; The SMPTE Projection Manual; Xenon—The Captive Arc; A Constant Source of Illumination for Improved Film Projection in the Screening and Viewing Room; Flicker Visibility Thresholds in Motion Pictures.

PHOTO-SCIENCE AND INSTRUMENTATION AND HIGH-SPEED PHOTOGRAPHY — After- noon

Film Negative/Positive Discrimination and Automatic Switching Device of Camera Control Unit; Some Practical Aspects of Lens Designing by Computer; Considerations on the Use of Electroluminescent Diodes for Film-Data Recording; Unicorn Coherent Light Image Data System.

FRIDAY, APRIL 25

TRIP TO MIAMI-DADE JUNIOR COLLEGE — Morning

This trip will include a demonstration of the College's CCTV and audio-visual facilities.

TRIP TO INSTITUTE OF MARINE SCIENCES (University of Miami) AND THE SEAQUARI- UM — Afternoon

Television at the XIX Olympiad, Mexico City; Combed Aperture Equalization for Color TV Cameras; New Rapid-Access ME-4 Process; Color Compatibility Between Matrixed (Three-Primary) and Separate Luminance TV Cameras; A Survey of Color Temperature and Conditions of Color TV Receivers in the Home; Telecine Parameters and Color Film Balance; A Remote-Control Slow-Scan TV System.

TUESDAY, APRIL 22

LABORATORY PRACTICES I – Morning

Evaluation of Existing Printing Systems for Super 8 Release Printing; The Soundtrack Performance of a New Reversal Color-Print Film; Quantitative Color Timing System; Continuous Optical Reduction Printer; Modular Panel Printer; Magnetic Sound Transfer Console; Eastman 16/35 Televideo Analyzer.

LABORATORY PRACTICES II – Afternoon (Concurrent)

Color Temperature of Motion-Picture Projector Illumination; Color Balance and Density Variations of Color Films Intended for Television; Improving Graininess of Prints for Background Projection by Multiple Printing; A 65mm to 35mm Optical Step Additive Printer; A Copy Source of Illumination for Film Projection in the Processing Laboratory and Screening Room; Methods of Agitation for Immersion Photographic Processing; Molded Squeegee Blades for Photographic Processing.

SOUND – Afternoon (Concurrent)

Up-dating Magnetic Theory; New Developments in Magnetic Recording Materials; Evaluation of Magnetic Head Materials as to Wear and Performance Characteristics; Measurements of Recorded Magnetic Signals on Tape; The Impact of High-Speed Electronics on Motion-Picture Technology; Hall Effect Reproduce Heads; Phase-Lock Flutter Bridges; Phase-Lock Volt Meters; Recent Developments of High-Speed Magnetic Sound Duplicating.

WEDNESDAY, APRIL 23

AEROSPACE I – Morning

The Design of Television System Test Charts for the Surveyor Spacecraft; Apollo Mission Simulation With Visual Presentation; Very High Resolution Television for Visual Simulation; Color Picture Reproduction Using a High-Resolution Television System; Bandwidth Considerations for a Wideband (Television) FM Transmission Link; Operation of the Surveyor Television System in the Photon-Integration Mode; The Challenge of Planetary Imaging; Astrocator.

AEROSPACE II – Afternoon

TV Camera System Used in the Apollo Command Module; Apollo Television System Scanner; Photographic and Television Lighting for the Apollo Program at the Kennedy Space Center; Photoinstrumentation on the Apollo Program.

OCEANOGRAPHY – Afternoon

Color as Seen and Photographed in Water; Underwater Applications of Closed-Circuit Television Systems; Enhancement of Underwater Photography by Special Processing of High-Speed Color Film; Color Film as an Abridged Spectral Radiometer; Applications of Photography in the Ben Franklin; Airborne Hurricane Photography; Practical Problems Encountered by Diving Photographers; Handheld Underwater Flash Methods.

THURSDAY, APRIL 24

EDUCATION AND MEDICINE – Morning

The Central Inter-University Institute for the Development of Instructional Resources in the Netherlands; 8mm Cartridge/Cassette Systems in Education; Some Considerations in the Design of a Film Filing System; Foreign Language Training of Adults Using Motion-Picture Film Loops; How to Make Effective Visual Technical Presentations; A True Random-Access Audio-Video Retrieval System; Instructional Tele-

ADVANCE REGISTRATION

Register early for the SMPTE Conference to save time when arriving. Use the Advance Registration card enclosed. Mail the card with payment in the enclosed business reply envelope. Badges and tickets will be waiting for registrants at the Registration Desk.

Registration Rates

Member:

Weekly \$20.00

Daily 8.00

Nonmember:

Weekly 30.00

Daily 12.00

Military (in uniform):

Weekly 5.00

Daily 3.00

Ladies 10.00

Get-Together Luncheon 7.00

Banquet 22.50

Hawaiian Cruise and Luau 10.00

Package registrations that include weekly registration, Get-Together Luncheon, Banquet and Hawaiian Cruise and Luau, are available as follows:

Members \$59.50

Nonmembers 69.50

Ladies 49.50

SMPTE Golf Tournament

(Not Part of Package) 20.00

Nonmembers of the SMPTE who are members of the SPSE, SPIE and AES may register at the SMPTE member rate. Students are admitted free.

Additional advance registration cards are available from SMPTE Headquarters.

HOTEL RESERVATIONS

The enclosed postage-paid reservation card should be used to reserve accommodations at the Fontainebleau Hotel. If the card is not used, be sure to mention the 105th SMPTE Conference when making your reservations. We advise making your room reservations early. Rooms at the Fontainebleau are being held for SMPTE registrants only until March 20.

GET-TOGETHER LUNCHEON

The 105th Conference will officially get underway on Monday, April 21, with the Get-Together Luncheon. The Luncheon, which will be held in the East Ballroom, will be preceded by a

cash bar at 11:30 a.m. in the Jade Promenade.

The Guest Speaker at the Luncheon will be announced later. Presiding at the Luncheon will be SMPTE President Deane R. White who will deliver a short talk to members and introduce the guest speaker.

SMPTE BANQUET

The SMPTE Banquet will be held Wednesday evening, April 23, in the East Ballroom of the Fontainebleau. A fine evening of entertainment and a prime rib dinner are planned.

Companies wishing to reserve tables at the Banquet should get in touch with the Banquet Chairman, Ted Sack, Reela Film Laboratories, Inc., 65 N.W. Third St., Miami, Fla. 33128. Tables, which are in limited supply, will be reserved on a first come, first served, basis.

COFFEE CLUB

The Coffee Club at the 105th Conference will be open Monday through Thursday from 9 a.m. to 11 a.m. in the Jade Promenade. The Coffee Club will be sponsored by the PHILIP A. HUNT CHEMICAL CORPORATION.

COMMITTEE MEETINGS

SMPTE Engineering Committees will meet during the 105th Conference. Committee members will be notified by letter of the dates and times of their meetings. Editorial activities during the Conference will include meetings of the Publications Advisory Committee, the Board of Editors and the Papers Committee.

ASSOCIATION OF CINEMA LABORATORIES

Spring Meeting

The ACL will meet at the Fontainebleau Hotel on Saturday, April 19 and Monday, April 21. On Saturday there will be a Board of Directors meeting at 4 p.m. followed by dinner. On Monday, there will be the ACL Equipment and Techniques Forum from 9 a.m. to 5 p.m. with a break for the SMPTE Get-Together Luncheon. SMPTE members are invited to attend the Equipment and Techniques Forum in the West Ballroom.

HOSPITALITY and SOCIAL EVENTS

The Fontainebleau Hotel has a full range of recreational facilities available to guests of the hotel. They include free golf at the Westview Country Club with transportation compliments

of the hotel. Facilities on the hotel premises include putting greens, olympic swimming pool, tennis, ice skating, bowling, billiards, a spa and solarium, plus 1000 feet of beach, water skiing and fishing.

LADIES PROGRAM

A full schedule of events is being planned for the ladies attending the Conference, according to the chairman of the Ladies Committee, Mrs. William Sheahan. The week's events will be publicized later. The ladies will congregate in the Ladies Hospitality Headquarters located in the Champagne Room of the hotel.

HAWAIIAN NIGHT

Sunday Evening Cruise and Luau

Kicking off the 105th SMPTE Conference will be a Hawaiian Luau Cruise aboard the M-V Biscayne Belle, on Sunday evening, April 20. The boat will leave the Fontainebleau dock at 7:30 p.m. for a delightful evening in the tradition of Hawaii. Entertainment will consist of a four-piece Hawaiian Band plus a complete floor show. Dinner will be a delicious luau. The boat will return to the hotel between 10:30 and 11:30 p.m. The price is \$10.00 per person for the complete evening. There will be a cash bar aboard ship. Make your reservations early using the advance registration card since the cruise will be limited to the first 300 people.

GOLF TOURNAMENT

A Golf Tournament for members who will be in Miami Beach prior to the 105th SMPTE Conference will be held Saturday, April 19 at the Country Club of Miami. The cost of participation is \$20, which includes lunch, green fees, a cart and prizes. Reserve your place in the tournament by using the Advance Registration Card enclosed. Details will be sent as soon as reservations are received.

MESSAGE CENTER

A Message Center will be provided at the Conference Registration Area so that those attending the Conference will be able to receive messages. The telephone number to leave with persons who may want to contact you at the Conference is: (305) 534-8306 and 8307.

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9 East 41st Street, New York, N.Y. 10017

SOCIETY OF MOTION
CTURE & TV ENGINEERS

April 20-25, 1969

serve _____ room(s) at the

circled rate:

PLAN:

\$20.00 - \$25.00 AND \$30.00

OR DOUBLE OCCUPANCY
PERSON

M: \$6.00

: \$40.00 - \$50.00 AND \$60.00
TION TO BEDROOM RATES.

: _____ DEPARTURE: _____

TATE

NAL PERSON _____

FROM _____

Check registration and specify tickets desired
SPSE, SPIE, AES Members may register
at SMPTE Member rates

PACKAGE REGISTRATION -- (Weekly Regis-
tration, Get-Together Luncheon, Banquet and
Hawaiian Cruise & Luau): Members @ \$59.50
Nonmembers @ \$69.50 Ladies @ \$49.50

Weekly Daily

MEMBER ☐ \$20.00 ☐ \$8.00 Mon. Tues. _____

_____ Wed. Thurs. Fri. _____

NONMEMBER ☐ \$30.00 ☐ \$12.00 Mon. Tues. _____

_____ Wed. Thurs. Fri. _____

LADIES ☐ \$10.00

GET-TOGETHER LUNCHEON No. _____ @ \$7.00

BANQUET No. _____ @ \$22.50

HAWAIIAN CRUISE & LUAU No. _____ @ \$10.00

SMPTE GOLF TOURNAMENT No. _____ @ \$20.00

TOTAL AMOUNT ENCLOSED _____

105th SMPTE CONFERENCE — ADVANCE REGISTRATION FORM
PLEASE PRINT OR TYPE ALL INFORMATION

NAME _____ Last _____ First _____ Initial _____

WIFE'S NAME (if attending) _____
(as it should appear on label badge)

COMPANY _____

STREET _____

CITY _____ STATE _____ ZIP _____



ADVANCE REGISTRATIONS MUST BE ACCOMPANIED BY CHECK
MAKE CHECKS PAYABLE TO SMPTE
No advance registrations can be accepted after April 7, 1969

FIRST CLASS
Permit No. 10705
New York, N. Y.

BUSINESS REPLY MAIL

NO POSTAGE STAMP NECESSARY IF MAILED IN THE UNITED STATES

POSTAGE WILL BE PAID BY

The Conference Manager
Society of Motion Picture and Television Engineers
9 East 41st Street
New York, N. Y. 10017

